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(54) **PRODUCTION OF HYDROXYALKYLACRYLIC  
ESTER OR METHACRYLIC ACID ESTER  
MODIFIED WITH CAPROLACTONE**

(57) Abstract:

PROBLEM TO BE SOLVED: To obtain a hydroxyacrylic ester or methacrylic acid ester modified with caprolactone free from a residual catalyst under mild temperature conditions at a sufficient reaction velocity.

SOLUTION: This method for producing a hydroxyalky-

lactic ester or methacrylic acid ester modified with caprolactone comprises a process 1 for subjecting lactone and a hydroxyalkylacrylic ester or a hydroxyalkylmethacrylic acid ester to an addition reaction in the presence of an organometallic compound catalyst, a polymerization inhibitor and an antioxidant at 70-120°C and a process 2 for removing the residual organometallic compound catalyst from the reaction product solution obtained by the process 1 by using a composition composed of an inorganic compound.

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